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#112  
OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/596,196

DATE: 06/30/2000  
TIME: 14:24:56

Input Set : A:\Fibrinol.app  
Output Set: N:\CRF3\06302000\I596196.raw

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3 <110> APPLICANT: Haley, Dana A
4   Boyle, Bryan J
5   Ho, Alice S
6   Arterburn, Matthew C
7   Tang, Y. Tom
8   Tillinghast, John S
9   Sinku, Ankura
10  Liu, Chenghua
11  Drmanac, Radoje T
13 <120> TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL
14   PROTHROMBINASE-LIKE POLYPEPTIDES AND POLYNUCLEOTIDES
16 <130> FILE REFERENCE: HYS-14
C--> 18 <140> CURRENT APPLICATION NUMBER: US/09/596,196
19 <141> CURRENT FILING DATE: 2000-06-17
21 <150> PRIOR APPLICATION NUMBER: 09/552,317
22 <151> PRIOR FILING DATE: 2000-04-25
24 <150> PRIOR APPLICATION NUMBER: 09/488,725
25 <151> PRIOR FILING DATE: 2000-01-21
27 <160> NUMBER OF SEQ ID NOS: 9
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60 gatggactgt gatacagaaa agaattgatg ggataattga tttccagagg ttgtggtgtg 180
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64 ttaaaatgca cttaggacgg tattcaggaa atgctggtga tgcattccgg ggtctcaaaa 420
65 aagaagataa tcaaaatgca atgcctttta gcacatcaga tgttgataat gatgggtgtc 480
66 gccctgcatg cctgggtcaat ggtcagtcgt tgaagagctg cagtcacctc cataacaaga 540
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68 gaaaattgct tgcaactgga attcaatggg gcacgtggac caaaaacaac tcacctgtca 660
69 agattaaatc tgtttcaatg aaaattagaa gaatgtacaa tccatatatt aaataatctc 720
70 atttaacatt gtaatgcaag ttctacaatg ataatatatt aaagattttt aaaagtttat 780
71 cttttcactt agtgtttcaa acatattagg caaaatttaa ctgtagatgg catttagatg 840
72 ttatgagttt aattagaaaa cttcaatttt gtagtattct ataaaagaaa acatggctta 900
73 ttgtatgttt ttacttctga ctatattaac aatatacaat gaaatttggt tcaagtgaac 960
74 tacaacttgt ctctctaaaa tttatagtga ttttaaagga ttttgccttt tctttgaagc 1020
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90 1 5 10 15
92 ttt att tgt gga gaa gtt gta caa ggt aac tgt gta cat cat tct acg 96
93 Phe Ile Cys Gly Glu Val Val Gln Gly Asn Cys Val His His Ser Thr
94 20 25 30
96 gac tct tca gta gtt aac att gta gaa gat gga tct aat gca aaa gat 144
97 Asp Ser Ser Val Val Asn Ile Val Glu Asp Gly Ser Asn Ala Lys Asp
98 35 40 45
100 gaa agt aaa agt aat gat act gtt tgt aag gaa gac tgt gag gaa tca 192
101 Glu Ser Lys Ser Asn Asp Thr Val Cys Lys Glu Asp Cys Glu Glu Ser
102 50 55 60
104 tgt gat gtt aaa act aaa att aca cga gaa gaa aaa cat ttc atg tgt 240
105 Cys Asp Val Lys Thr Lys Ile Thr Arg Glu Glu Lys His Phe Met Cys
106 65 70 75 80
108 aga aat ttg caa aat tct att gtt tcc tac aca aga agt acc aaa aaa 288
109 Arg Asn Leu Gln Asn Ser Ile Val Ser Tyr Thr Arg Ser Thr Lys Lys
110 85 90 95
112 cta cta agg aat atg atg gat gag caa caa gct tcc ttg gat tat tta 336
113 Leu Leu Arg Asn Met Met Asp Glu Gln Gln Ala Ser Leu Asp Tyr Leu
114 100 105 110
116 tct aat cag gtt aac gag ctc atg aat aga gtt ctc ctt ttg act aca 384
117 Ser Asn Gln Val Asn Glu Leu Met Asn Arg Val Leu Leu Leu Thr Thr
118 115 120 125
120 gaa gtt ttt aga aaa cag ctg gat cct ttt cct cac aga cct gtt cag 432
121 Glu Val Phe Arg Lys Gln Leu Asp Pro Phe Pro His Arg Pro Val Gln
122 130 135 140

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126 145 150 155 160
128 acc aaa aca ccg agt ggt tta tac ata att cac cca gaa gga tct agc 528
129 Thr Lys Thr Pro Ser Gly Leu Tyr Ile Ile His Pro Glu Gly Ser Ser
130 165 170 175
132 tac cca ttt gag gta atg tgt gac atg gat tac aga gga ggt gga tgg 576
133 Tyr Pro Phe Glu Val Met Cys Asp Met Asp Tyr Arg Gly Gly Gly Trp
134 180 185 190
136 act gtg ata cag aaa aga att gat ggg ata att gat ttc cag agg ttg 624
137 Thr Val Ile Gln Lys Arg Ile Asp Gly Ile Ile Asp Phe Gln Arg Leu
138 195 200 205
140 tgg tgt gat tat ctg gat gga ttt gga gat ctt cta gga gaa ttt tgg 672
141 Trp Cys Asp Tyr Leu Asp Gly Phe Gly Asp Leu Leu Gly Glu Phe Trp
142 210 215 220
144 cta gga ctg aaa aag att ttt tat ata gta aat cag aaa aat acc agt 720
145 Leu Gly Leu Lys Lys Ile Phe Tyr Ile Val Asn Gln Lys Asn Thr Ser
146 225 230 235 240
148 ttt atg ctg tat gtg gct ttg gaa tct gaa gat gac act ctt gct tat 768
149 Phe Met Leu Tyr Val Ala Leu Glu Ser Glu Asp Asp Thr Leu Ala Tyr
150 245 250 255
152 gca tca tat gat aat ttt tgg cta gag gat gaa acg aga ttt ttt aaa 816
153 Ala Ser Tyr Asp Asn Phe Trp Leu Glu Asp Glu Thr Arg Phe Phe Lys
154 260 265 270
156 atg cac tta gga cgg tat tca gga aat gct ggt gat gca ttc cgg ggt 864
157 Met His Leu Gly Arg Tyr Ser Gly Asn Ala Gly Asp Ala Phe Arg Gly
158 275 280 285
160 ctc aaa aaa gaa gat aat caa aat gca atg cct ttt agc aca tca gat 912
161 Leu Lys Lys Glu Asp Asn Gln Asn Ala Met Pro Phe Ser Thr Ser Asp
162 290 295 300
164 gtt gat aat gat ggg tgt cgc cct gca tgc ctg gtc aat ggt cag tct 960
165 Val Asp Asn Asp Gly Cys Arg Pro Ala Cys Leu Val Asn Gly Gln Ser
166 305 310 315 320
168 gtg aag agc tgc agt cac ctc cat aac aag acc ggc tgg tgg ttt aac 1008
169 Val Lys Ser Cys Ser His Leu His Asn Lys Thr Gly Trp Trp Phe Asn
170 325 330 335
172 gag tgt ggt cta gca aat cta aat ggc att cat cac ttc tct gga aaa 1056
173 Glu Cys Gly Leu Ala Asn Leu Asn Gly Ile His His Phe Ser Gly Lys
174 340 345 350
176 ttg ctt gca act gga att caa tgg ggc acg tgg acc aaa aac aac tca 1104
177 Leu Leu Ala Thr Gly Ile Gln Trp Gly Thr Trp Thr Lys Asn Asn Ser
178 355 360 365
180 cct gtc aag att aaa tct gtt tca atg aaa att aga aga atg tac aat 1152
181 Pro Val Lys Ile Lys Ser Val Ser Met Lys Ile Arg Arg Met Tyr Asn
182 370 375 380
184 cca tat ttt aaa taa tctcatttaa cattgtaatg caagttctac aatgataata 1207
185 Pro Tyr Phe Lys
186 385
188 tattaaagat ttttaaaagt ttatcttttc acttagtggt tcaaacatat taggcaaaat 1267

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204 aaatagtttt tcttggtttt atatctaatac atgggttaact attttgttat tgtttgtaat 1747
206 aaatatatgt acttttatat cctgaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1807
208 aaaaaaaagg ggcgcccctt taattttaaag gggccccttta aaccccggtt aaaccccggt 1867
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228 35 40 45
229 Glu Ser Lys Ser Asn Asp Thr Val Cys Lys Glu Asp Cys Glu Glu Ser
230 50 55 60
231 Cys Asp Val Lys Thr Lys Ile Thr Arg Glu Glu Lys His Phe Met Cys
232 65 70 75 80
233 Arg Asn Leu Gln Asn Ser Ile Val Ser Tyr Thr Arg Ser Thr Lys Lys
234 85 90 95
235 Leu Leu Arg Asn Met Met Asp Glu Gln Gln Ala Ser Leu Asp Tyr Leu
236 100 105 110
237 Ser Asn Gln Val Asn Glu Leu Met Asn Arg Val Leu Leu Leu Thr Thr
238 115 120 125
239 Glu Val Phe Arg Lys Gln Leu Asp Pro Phe Pro His Arg Pro Val Gln
240 130 135 140
241 Ser His Gly Leu Asp Cys Thr Asp Ile Lys Asp Thr Ile Gly Ser Val
242 145 150 155 160
243 Thr Lys Thr Pro Ser Gly Leu Tyr Ile Ile His Pro Glu Gly Ser Ser
244 165 170 175
245 Tyr Pro Phe Glu Val Met Cys Asp Met Asp Tyr Arg Gly Gly Gly Trp
246 180 185 190
247 Thr Val Ile Gln Lys Arg Ile Asp Gly Ile Ile Asp Phe Gln Arg Leu
248 195 200 205
249 Trp Cys Asp Tyr Leu Asp Gly Phe Gly Asp Leu Leu Gly Glu Phe Trp
250 210 215 220
251 Leu Gly Leu Lys Lys Ile Phe Tyr Ile Val Asn Gln Lys Asn Thr Ser
252 225 230 235 240
253 Phe Met Leu Tyr Val Ala Leu Glu Ser Glu Asp Asp Thr Leu Ala Tyr

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255 Ala Ser Tyr Asp Asn Phe Trp Leu Glu Asp Glu Thr Arg Phe Phe Lys
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258          275          280          285
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260          290          295          300
261 Val Asp Asn Asp Gly Cys Arg Pro Ala Cys Leu Val Asn Gly Gln Ser
262 305          310          315          320
263 Val Lys Ser Cys Ser His Leu His Asn Lys Thr Gly Trp Trp Phe Asn
264          325          330          335
265 Glu Cys Gly Leu Ala Asn Leu Asn Gly Ile His His Phe Ser Gly Lys
266          340          345          350
267 Leu Leu Ala Thr Gly Ile Gln Trp Gly Thr Trp Thr Lys Asn Asn Ser
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VERIFICATION SUMMARY

DATE: 06/30/2000

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